

940 South Harney St., Seattle. Washington 98108 (206)767-5060

Chemistry Microbiology, and Technical Services

CLIENT: Alaskan Copper Works

PO Box 3546

Seattle, WA 98124

ATTN: Jim Brown

LABORATORY NO: 2366

DATE: Feb. 24, 1987

PO# M1878

REPORT ON: WATER

SAMPLE

Submitted 2/17/87 and identified as shown below: IDENTIFICATION:

Weekly Metro waste discharge ID# 3200

TESTS PERFORMED AND RESULTS:

parts per million (mg/L)

Zinc 0.11 Chranium 1.9 Copper 0.35 0.79 Nickel

Respectfully submitted,

Laucks Testing Laboratories, Inc.

M. Quens

JMO:dr



Laucks Testing Laboratories, Inc. 940 South Harney Street. Seattle. Washington 98108 (206) 767-5060



Chemistry Microbiology, and Technical Services

CLIENT: Alaskan Copper Works

P.O. Box 3546 Seattle, WA 98124 ATTN; Jim Brown INVOICE NO. 2502

DATE: March 7, 1987

PO# M1936

For the analysis of WATER: ----\$44.00



Laucks Testing Laboratories, Inc. 940 South Harney Street. Seattle. Washington 98108 (206) 767-5060



Invoice

Chemistry Microbiology, and Technical Services

Alaskan Copper Works PO Box 3546 Seattle, WA 98124 ATTN: Jim Brown INVOICE# 2793

DATE: March 24, 1987

PO# M 2059

For analysis of WASTE DISCHARGE

\$44.00



The sole liability of these laboratories for these services, including claims for negligence, strict liability in lort or warranty, shall not exceed the amount of this invoice. Samples may be discarded after analysis unless otherwise requested.



Lauck Testing Laboratories, Inc. 940 South Harney Street. Seattle. Washington 98108 (206) 767-5060



Chemistry Microbiology, and Technical Services

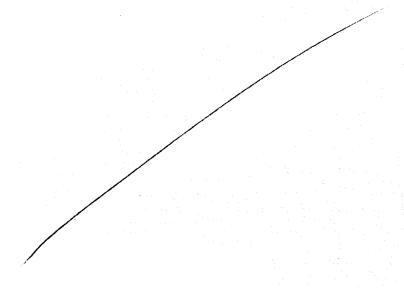
CLIENT: Alaskan Copper Works

P.O. Box 3546 Seattle, WA 98124 ATTN: Jim Brown

INVOICE NO. 2989

DATE: March 26, 1987

\$177.00 For the analysis of WASTE LIQUID:







940 South Harney St., Seattle. Washington 98108 (206)767-5060

Chemistry.	N	licrobic	logy,	and	Tec	hnical	Ser	vices
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CLIENT: Alaskan Copper Works

P.O. Box 3546

Seattle, WA 98124

LABORATORY NO. 2800

DATE: April 2, 1987

PO# M2061

REPORT ON: ACID TANK SLUDGE

SAMPLE

IDENTIFICATION: Submitted 03/10/87 and identified as shown below:

Acid Tank Sludge Sample ID# 3200-M2061

TESTS PERFORMED AND RESULTS:

Total Solids ---

-----58.2%

parts per million (mg/kg dry basis)

Aluminum	7400
Cadmium	L/0.5
The complete and the co	17000
Copper ———————————————————————————————————	980
Lead	53
Nickel	5500
Silver	L/0.5
Zinc	250

Key

L/ indicates "less than"

Respectfully submitted,

Laucks Testing Laboratories, Inc.

BG:jm







940 South Harney St., Seattle. Washington 98108 (206)767-5060

Chemistry. Microbiology, and Technical Services

CLIENT: Alaskan Copper Works

P.O. Box 3546

Seattle, WA 98124

LABORATORY NO. 3218

DATE: April 8, 1987

PO# M2261

REPORT ON: LIQUID

SAMPLE

IDENTIFICATION: Submitted 03/31/87 and identified as shown below:

ID# 3200 - M2261

TESTS PERFORMED AND RESULTS:

parts per million (mg/L)

Respectfully submitted,

Laucks Testing Laboratories, Inc.

T.M. Owens

JMO: jm

APR 1 0 1987







940 South Harney St., Seattle, Washington 98108 (206)767-5060

Chemistry Microbiology, and Technical Services

CLIENT: Alaskan Copper Works

P.O. Box 3546

Seattle, WA 98124

LABORATORY NO. 3070

DATE: April 8, 1987

PO# M2194

REPORT ON:

WATER

SAMPLE

IDENTIFICATION: Submitted 03/24/87 and identified as shown below:

#3200-M2194

TESTS PERFORMED AND RESULTS:

parts per million (mg/L)

----- 0.24 ______0.089 Copper --Nickel -----Zinc -----

Respectfully submitted,

Mr. Quen

Laucks Testing Laboratories, Inc.

JMO: jm

APR 1 0 1987







Chemistry. Microbiology. and Technical Services

CLIENT: Alaskan Copper Works

P.O. Box 3546

Seattle, WA 98124

LABORATORY NO. 2934

DATE: April 8, 1987

PO# M2126

REPORT ON: WASTE DISCHARGE

SAMPLE

IDENTIFICATION: Submitted 03/17/87 and identified as shown below:

ID# 3200

TESTS PERFORMED AND RESULTS:

parts per million (mg/L)

Respectfully submitted,

M. Owen

Laucks Testing Laboratories, Inc.

J.M. Owens

JMO: jm

APR 1 0 1987



Laucks Testing Laboratories, Inc.

Certificate

940 South Harney St., Seattle, Washington 98108 (206)767-5060

Chemistry, Microbiology, and Technical Services

CLIENT: Alaskan Copper Works

P.O. Box 3546 Seattle, WA 98124 LABORATORY NO. 3260

DATE: April 15, 1987

PO# M-2273

REPORT ON: WASTE LIQUID

SAMPLE

IDENTIFICATION: Submitted 04/02/87 and identified as shown below:

Nitric Acid Sample ID# 3600-M2273
 Nitric Acid Sample ID# 3200-M2273

TESTS PERFORMED AND RESULTS:

Specific Gravity 25 degrees C 1.118 1.260
Total Acidity,calculated as %
HN03 (methyl orange end point) 7.5 8.4

Respectfully submitted,

Laucks Testing Laboratories, Inc.

ឋ.M. Owens

JMO:jm



Laucks Testing Laboratories, Inc.



940 South Harney St., Seattle, Washington 98108 (206)767-5060

Chemistry, Microbiology, and Technical Services

CLIENT: Alaskan Copper Works

P.O. Box 3546 Seattle, WA 98124 ATTN. Jim Brown LABORATORY NO. 3278

DATE: April 15, 1987

PO# M-2274

REPORT ON: WASTE DISCHARGE

SAMPLE

IDENTIFICATION: Submitted 04/02/87 and identified as shown below:

ID# 3600-M2274

TESTS PERFORMED AND RESULTS:

parts per million (mg/L)

Zinc ----- 0.15 Chromium ---- 0.20 Copper ---- 0.050 Nickel ---- 0.11

Respectfully submitted,

Laucks Testing Laboratories, Inc.

ปี.M. Owens

JMO:jm





LABORATORY NO. 3498

PO# M 2383

DATE: April 22, 1987

940 South Harney St., Scattle, Washington 98108 (206)767-5060

Chemistry Microbiology, and Technical Services

CLIENT: Alaskan Copper Works

P.O. Box 3546 Seattle, WA 98124

ATTN: Gary Board

REPORT ON:

NITRIC ACID

SAMPLE

IDENTIFICATION:

Submitted 04/14/87 and identified as shown below:

Nitric Acid Sample Test for Heavy Metals ID# 2002-M2383

TESTS PERFORMED AND RESULTS:

parts per million (mg/L)

Chromium Copper Nickel

6000. 1700.

9600.

Respectfully submitted,

Laucks Testing Laboratories, Inc.

J. M. Owens

JMO: laj







LABORATORY NO. 3498

PO# M 2383

DATE: April 22, 1987

Chemistry Microbiology and Technical Services

CLIENT: Alaskan Copper Works

P.O. Box 3546

Seattle, WA 98124

ATTN: Gary Board

REPORT ON:

NITRIC ACID

SAMPLE

IDENTIFICATION:

Submitted 04/14/87 and identified as shown below:

Nitric Acid Sample Test for Heavy Metals ID# 2002-M2383/3200

TESTS PERFORMED AND RESULTS:

parts per million (mg/L)

Chromium Copper Nickel

6000. 1700.

9600.

Respectfully submitted,

Laucks Testing Laboratories, Inc.

J. M. Owens

JMO: laj





940 South Harney St., Seattle, Washington 98108 (206)767-5060

Chemistry Microbiology, and Technical Services

CLIENT: Alaskan Copper Works

P.O. Box 3546

Seattle, WA 98124

LABORATORY NO. 3218

DATE: April 8, 1987

PO# M2261

REPORT ON: LIQUID

SAMPLE

IDENTIFICATION: Submitted 03/31/87 and identified as shown below:

ID# 3200 - M2261

TESTS PERFORMED AND RESULTS:

parts per million (mg/L)

Chromium - 0.20
Chromium - 1.3
Copper - 0.36
Nickel - 2 _____ 0.20

Respectfully submitted,

Laucks Testing Laboratories, Inc.

JMO: jm

